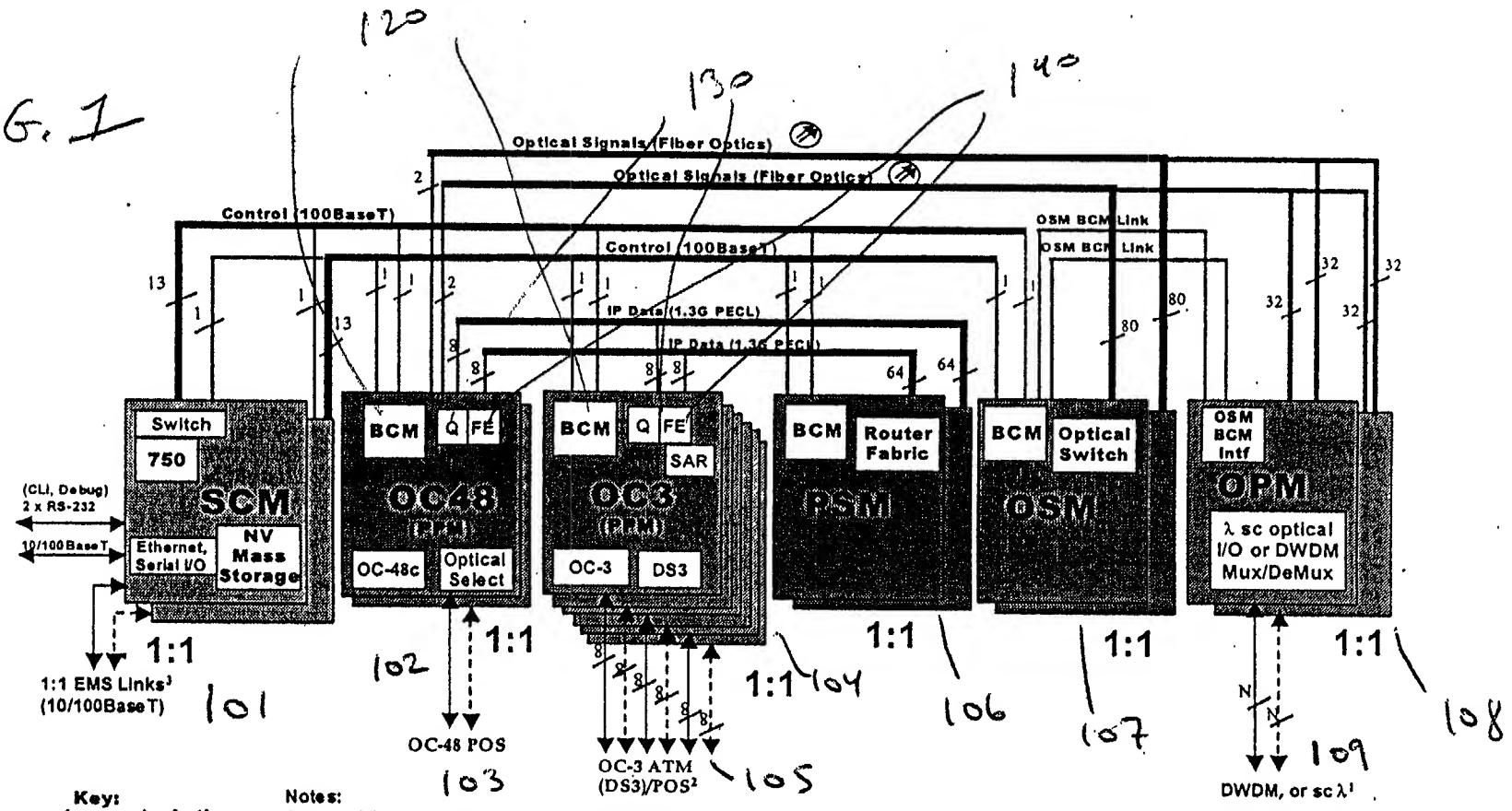
FIG. 1



Key:
Active
Standby

Notes:

1. There are two versions of OPM packs – DWDM and Single Channel (sc) λ. The number of external bi-directional optical signals, N, will be equal to 1 for DWDM and equal to 4 for sc λ. The OPM will not be 1:1 protected when used in Network Ring Topology.
2. The OC3 PPM pack supports 8 bi-directional OC-3 signals that may alternatively support OC3c Packet Over SONET (POS), OC3c IP/ATM , or OC3 IP/ATM/DS3 tributaries. These facilities may be in a 1+1 protection arrangement (as shown) or simplex.
3. The specifies the number of EMS links from the shelf. It does not address the number of EMS system that can talk to the shelf.

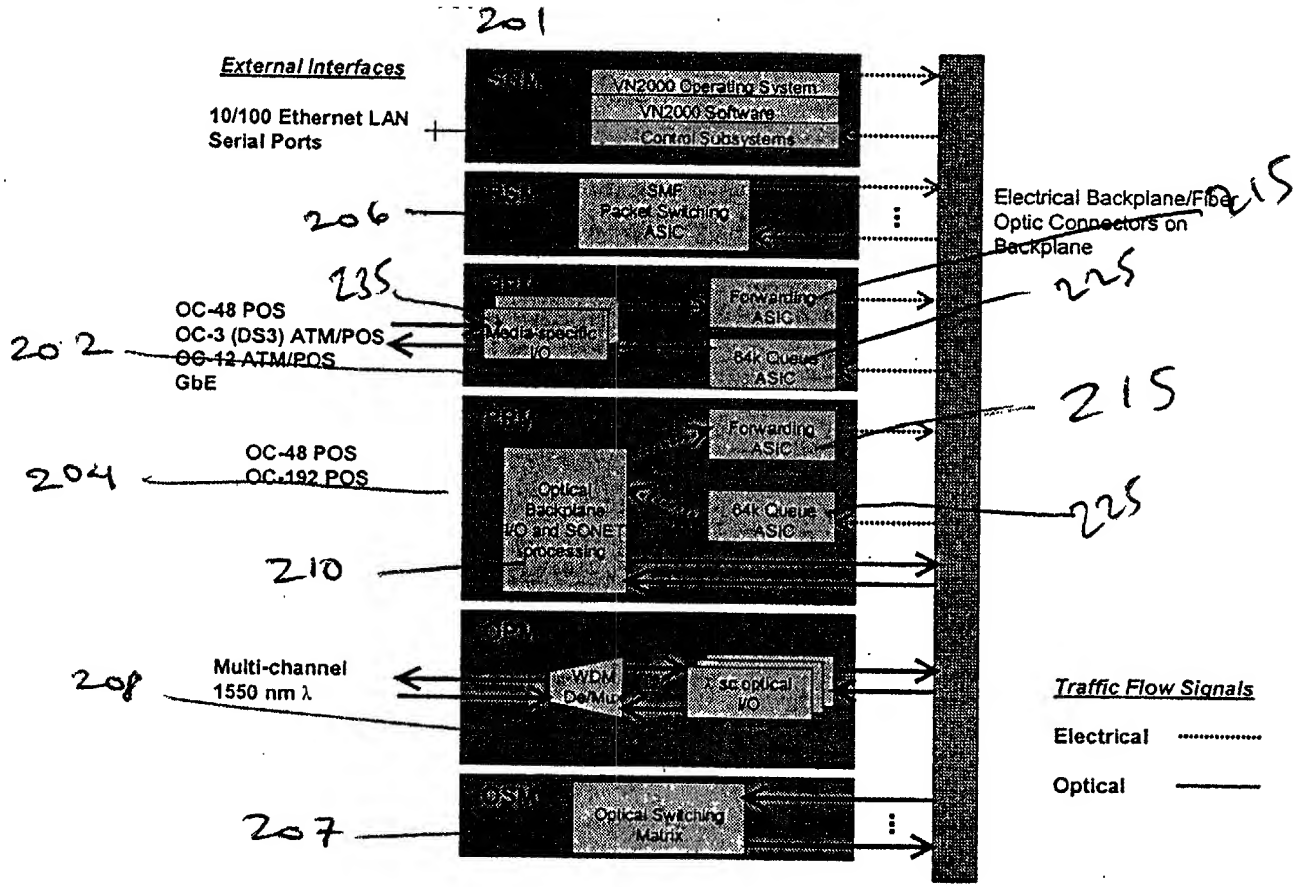

201
External Interfaces
10/100 Ethernet LAN
Serial Ports
VN2000 Operating System
VN2000 Software
Control Subsystems
SMF
Packet Switching
ASIC
206
Electrical Backplane/Fiber
Optic Connectors on
Backplane
215
235
225
OC-48 POS
OC-3 (DS3) ATM/POS
OC-12 ATM/POS
GbE
202
Media-specific
I/O
Forwarding
ASIC
64K Queue
ASIC
215
OC-48 POS
OC-192 POS
204
Optical
Backplane
I/O and SONET
processing
Forwarding
ASIC
64K Queue
ASIC
225
210
Multi-channel
1550 nm λ
208
WDM
De/Mux
optical
I/O
Optical Switching
Matrix
207
Traffic Flow Signals
Electrical
Optical

FIG. 2

PACKET PACKAGING

FIG 3A

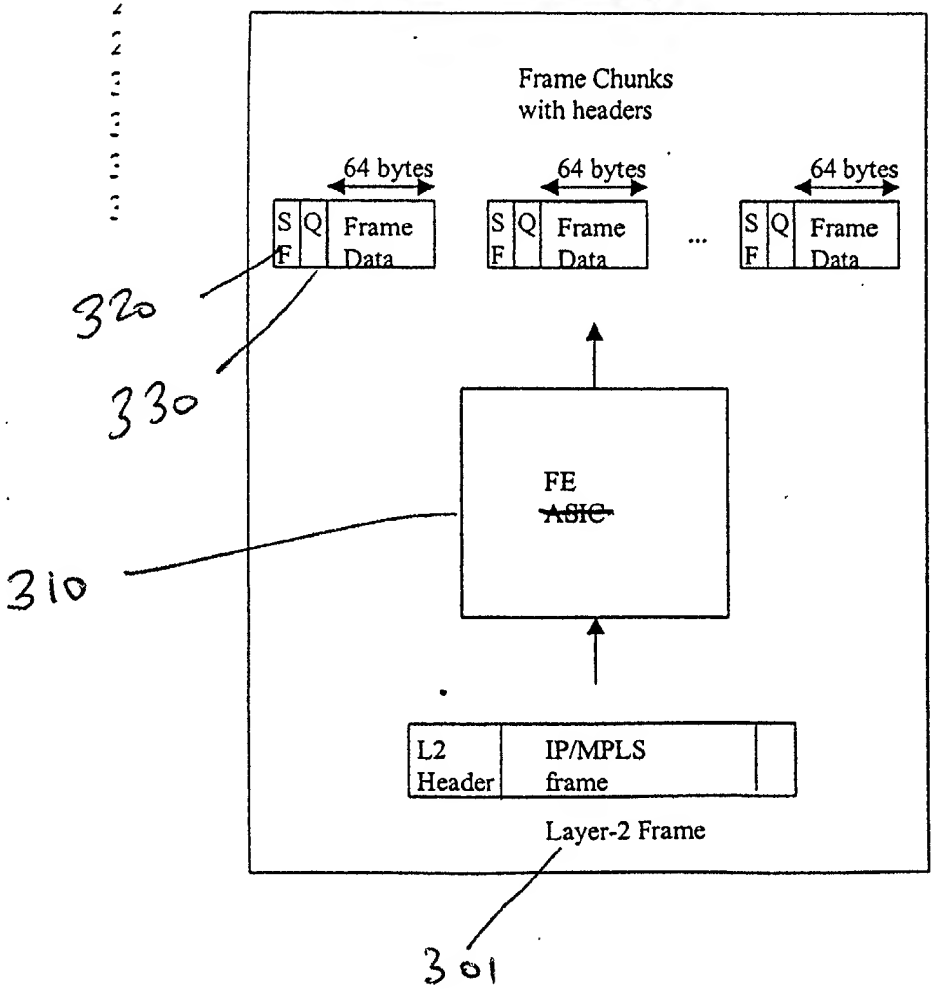


FIG. 3B

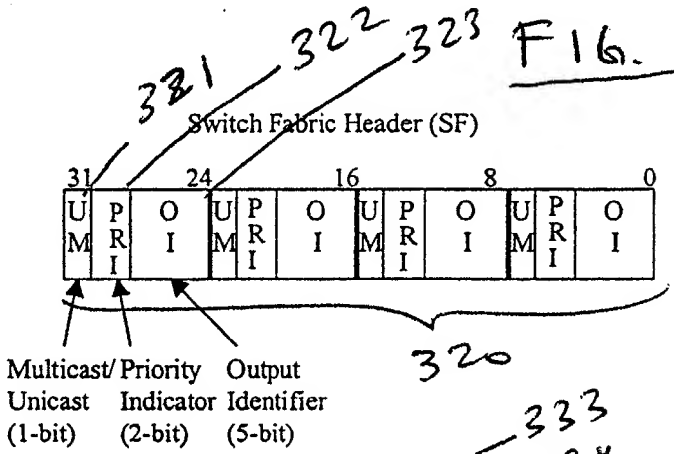
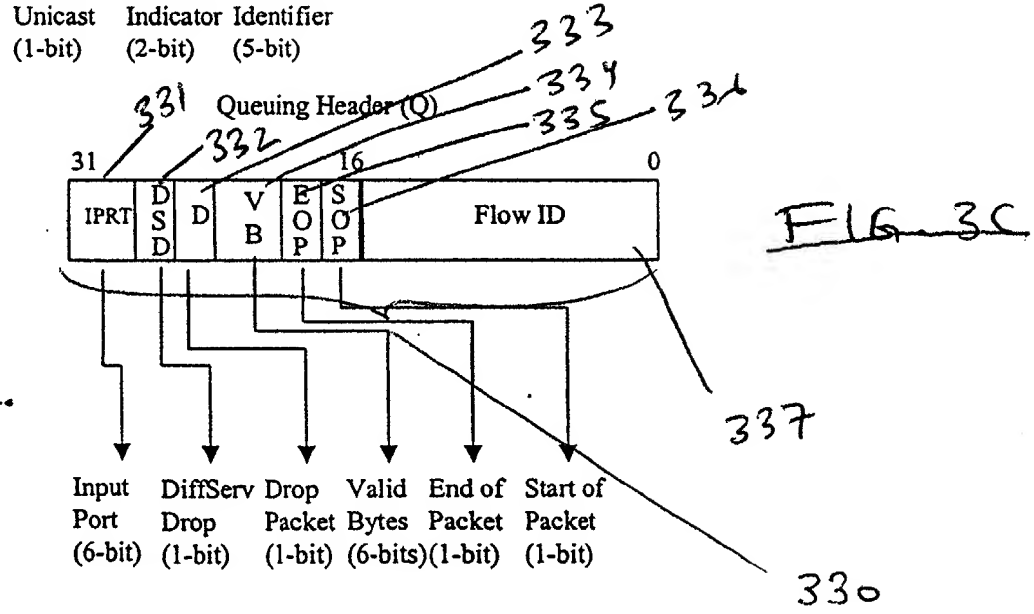
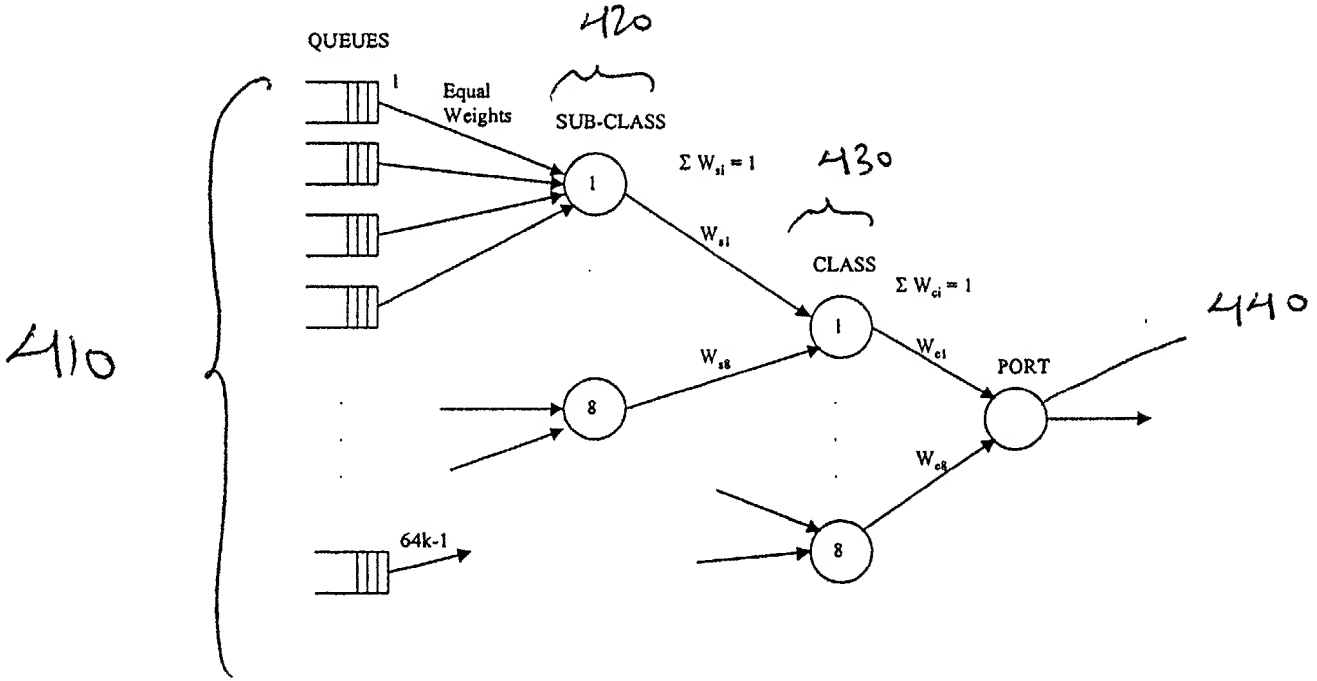


FIG. 3C





Service Differentiation Implementation

FIG. 4